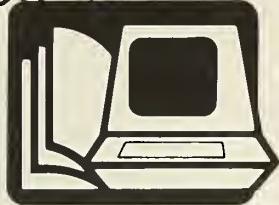


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AGRICULTURAL LIBRARIES INFORMATION NOTES

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THE LLANO ESTACADO EXPERIENCE: UTILIZATION OF THE ARID LANDS OF TEXAS

by

Richard Mason, Field Representative
Southwest Collection, Texas Tech University
Lubbock, Texas



Viewing the exhibit on opening day are (l. to r.) idris Traylor, Director, international Center for Arid and Semi-Arid Land Studies (iCASALS), Texas Tech; NAL Director Joe Howard; David Murrah, Director, Southwest Collection; and Aian Fusonie, Head of NAL's Special Collections.

Conflict with an austere climate provided obstacles and opportunities for those settling western regions of the United States and played an important part in creating the nation's image of the frontier.

A regional example occurs on the Llano Estacado of Texas. Here geological forces left a large, incredibly flat plateau of 32,000 square miles isolated above the surrounding prairies. The arid landscape of the Llano Estacado covers the major portion of the Texas Panhandle and was one of the last regions of the United States permanently settled by farmers.

Although archeological evidence indicates the region had hosted visitors for 12,000 years, most settlement was nomadic and based upon limited harvests of wild game for subsistence purposes. Early American explorers believed the Llano Estacado, or Staked Plains, to be uninhabitable desert--an image that persisted into the 20th Century.

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Today, the Llano Estacado has become one of the nation's major agricultural regions. This evolution is explored through "The Llano Estacado Experience: Utilization of the Arid Lands of Texas," a 12-panel exhibit on display at the National Agricultural Library in Beltsville, Maryland through April. The exhibit, which focuses on the interaction between humanity and the arid climate of the Llano Estacado, was compiled and designed by the Southwest Collection, an archives and historical research center located at Texas Tech University in Lubbock, Texas.



The exhibit opened March 13 with a Texas-style barbecue, Texan wine, and western swing music. More than 150 people attended, including a contingent from West Texas. Here Dr. Wayne Rasmussen, president of the Associates of the National Agricultural Library, Inc. delivers the keynote address on Texas' contributions to American agriculture.

Archival holdings concerning agricultural evolution, the development and spread of irrigated farming, ranching, land colonization, and pioneering were used to develop the display which was created in commemoration of the Texas Sesquicentennial, the 150th birthday of the Republic of Texas.

The exhibit contains a sampling of original archival materials from the Southwest Collection, including land colonization brochures, broadsides, and photographs. Perhaps the most unusual item is the diary of W.G. Deloach who farmed the Llano Estacado for 50 years. An excerpt from that diary describes in detail the Black Sunday sandstorm of April 1935 which prompted folksinger Woody Guthrie to write "So Long, It's Been Good to Know You."

The Deloach diary, which spans 50 years, is believed to be the longest, continuous farmer's diary currently in existence. Other displays include barbed wire, a walking plow, and examples of semi-dwarf cotton and grain sorghums that have been altered through breeding to exist in the high, dry climate of West Texas.

The austere nature of arid lands, which comprise one-third of the earth's land surface, narrows the range of cultural response available for inhabitants. Nonetheless, arid lands reward creative innovation with prosperity within environmental limitations.



Graphically depicted in the 12-panel exhibit was the adoption of a new technology--barbed wire--to control grazing cattle. A land promotion (lower right) offers a train excursion to the Texas South Plains where land could be purchased for \$16.50 per acre.

Innovation on the Llano Estacado took the form of technology. The advent of windmills, overcame the obstacle of water scarcity and enabled ranchers - the first permanent settlers--to utilize the vast prairies for intensive cattle production after 1880. The simultaneous arrival of barbed wire fencing provided cattlemen with the means to improve herd quality through isolation and to control access to pasture, thus lessening susceptibility to drought, a recurring phenomenon upon the Llano Estacado.

Additionally, railroads were a form of technology that vastly altered cultural interaction between people and environment on the Llano Estacado. Railroads linked the formerly isolated plateau with the commercial markets of the nation. Steel rails carried people in and transported the region's productivity out.

Railroad companies also promoted agricultural settlement of the Llano Estacado, which in turn brought an end to the ranching phase, particularly between 1910 and 1930. The exhibit portrays how these new farmers underwent two important transformations. First, they established a close personal bond with the Llano Estacado as they re-created institutions and cultural patterns from their old homes on the frontier. The bond persists to this day.



Reflecting on the hardships of the pioneer farmer are Idris Traylor, Director of ICASALS, and Dan Wagner (r.), agricultural aide to Texas Congressman Charles Stenholm (D), 17th District.

Secondly, they modified farming practices because the old techniques would not work in an arid environment, a factor which came to light during the Dust Bowl Era of the 1930s when drought threatened to end the newly established agricultural base of the Llano Estacado.

Innovation in farming centered on the mechanization of agricultural production practices and scientific breeding to develop plants that would fit mechanical harvest and survive within the limits of climate on the Llano Estacado. Between 1935 and 1940, for example, farmers replaced horses and mules on the Llano Estacado with row crop tractors.

With mechanization came regional crop specialization in cotton, grain sorghums, and wheat as farming evolved from a way of life into a commercial enterprise.

Grain sorghums provide an example of this. After 1920, the Llano Estacado became the focal point for sorghum production in the United States. Sorghums, originally from Africa, were used as feed for livestock in the dry climate of the American Great Plains. Although the livestock--a characteristic of subsistence farming--is gone, cultivation of sorghums remains. The Llano Estacado generates the majority of hybrid sorghum seed used in the world today while sorghum production supports a large scale cattle feeding economy in the region.

Technology brought prosperity to the Llano Estacado, but it also enabled residents to live beyond the limits of the resource base. This is evident in irrigated agriculture. Widespread availability of the high speed turbine pump coupled with abundant supplies of inexpensive natural gas encouraged the development of irrigated agriculture after World War II. While irrigation freed the Llano Estacado farmer from the worry of recurring drought and brought stability to production, it also created greater pressures on the environment.

Groundwater supplies in the Ogallala Aquifer declined 30 percent between 1960 and 1984. Concern over the declining resource base brought the creation of locally-controlled institutions to manage groundwater--an approach pioneered on the Llano Estacado but followed in other areas of the American Great Plains.

Today, technological emphasis centers on methods to stretch existing water supplies into the future. In low water areas, high energy costs and conservation practices have slowed the rate of decline since 1980.

Although technology cannot end recurring cycles of drought, the "Llano Estacado Experience" suggests that a population base can exist within the limits of arid lands through innovation, initiative, and effort.

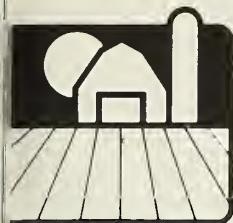
The "Llano Estacado Experience" will travel to Dallas, San Antonio, and Austin, Texas following its showing at the National Agricultural Library.



The James Brothers, decked out in Texas Tech colors of red and black, play Texas swing for an enthusiastic crowd.



While the band plays on, celebrants enjoy refreshments sponsored by Lone Star Brewery, Llano Estacado Winery, Texas and Southwestern Cattle Raisers Association, West Texas Chamber of Commerce, Texas Corn Producers Board, Lubbock Chamber of Commerce, Associates NAL, Inc., Southwest Collection, and ICASALS.



NEWS NOTES

CONFERENCE NOTES

Special Libraries Association

NAL will be co-hosting the Food, Agriculture and Nutrition Division Open House Monday, June 9, 8-10 p.m., at the Sheraton-Boston Hotel. (Check hotel announcements and/or reservation desk for Hospitality Suite room number.) NAL staff will be available to meet informally with land-grant/field librarians and other interested NAL users. Please plan to join us.

American Library Association

Calling all land-grant and field librarians: NAL is in need of volunteers to assist in staffing our exhibit booth during ALA, June 28-July 1. If you are attending ALA and can spare a few hours contact Maria Pisa, Education & Information, Rm. 203, NAL, (301) 344-3937.

KELLOGG FOUNDATION AWARDS \$4.1 MILLION FOR RURAL EDUCATION, INFO SERVICES TO LAND-GRANTS

A \$4.1 million series of grants to help provide better lifelong education opportunities for residents of rural communities has been made to land-grant universities in four states. The 4-year grants were made by the W.K. Kellogg Foundation to Utah State University (USU) and Utah State Library, Colorado State University, Montana State University, and the University of Wyoming.

USU will coordinate the multi-state project, called Intermountain Community Learning and Information Services (ICLIS). (Continued on p. 6)

MATHESON ADDRESSES PROFESSIONAL SEMINAR PROGRAM

Nina W. Matheson, Director of the William H. Welch Medical Library, Johns Hopkins University, was the featured speaker at NAL's Professional Seminar Program last month. Matheson discussed her report "Academic Information in the Academic Health Sciences Center: Roles for the Library in Information Management" and explored the transferability of the IAIMS (Integrated Academic Information Management Systems) concept to agricultural libraries.



Nina Matheson



NAL SHUTTLE SCHEDULE MODIFIED

Effective immediately, the NAL Beltsville, MD-Washington, D.C. shuttle will operate a reduced frequency service. The new arrival and departure times are indicated below:

Leave NAL Bldq.	Arrive Library of Congress	Arrive USDA South Bldq.
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8:10		9:00
10:10	10:50	11:00
12:40	1:20	1:30
2:40	3:20	3:30

Leave USDA South Bldq.	Leave Library of Congress	Arrive NAL Bldq.
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9:10	9:20	9:55
11:10	11:20	11:55
1:40	1:50	2:25
3:40		4:25

For more information about alternate forms of transportation to NAL, write for the National Agricultural Library Travel Guide, Education and Information Staff, Room 203, Beltsville, MD 20705.



INFORMATION CENTERS...

...WHAT'S NEW

AQUACULTURE

..New Acquisitions

1. The Aquaculture Information Center (AIC) has recently acquired a magnetic tape on fish health topics as a donation from the Department of the Interior, National Fisheries Center. This tape corresponds to the database called FISH, formerly a private online file available from the Bibliographic Retrieval Service (BRS). Although the database is no longer available for retrieval from BRS, the AIC hopes to mount this file on a laser videodisc in the future. Information on this disc will be linked to the Center's developing "aquaculture expert system" by means of a microcomputer. For further information, contact the AIC (301) 344-3704.

2. Mississippi Agricultural & Forestry Experiment Station has donated an aquaculture software package to the AIC. It is called A Records Program for Catfish and Shrimp Production; Financial Data and Management Decisions for IBM PC and Compatible Microcomputers, Agricultural Economics Technical Publication No. 55, September 1985. This software is useful to aquaculturists who want to organize and easily retrieve data about their catfish and/or shrimp farming operation. It will be available for use at NAL's new Software Demonstration Center. If you want to schedule use of this software, please call the AIC. If you are located outside the Washington, D.C. metropolitan area, the software can be acquired from your state extension office.

3. An excellent set of slides depicting how one might begin a fish farm in Colorado was donated to the AIC

from the Colorado State University Cooperative Extension Service. These slides along with the companion audio cassette show the potential fish farmer the very basics--from digging and stocking a fish pond to maintaining water quality in the pond. The slides are available for in-house use. For viewing, contact the AIC. If you want more information about obtaining a set of these slides, please contact the Colorado State University Cooperative Extension Service at (303) 491-6411.

..General Aquaculture Information

A packet is now available upon request from the AIC. It contains a brochure about the Center, Information Alerts about the most recent developments of the Center, and a list of our current bibliographies on aquaculture topics. If you would like this packet, please write to:

Aquaculture Information Center
National Agricultural Library
Room 111
Beltsville, MD 20705



Continued from p. 5

The funds will be used to provide new courses, programs, and information services for rural community residents and make them available through their community libraries, according to Glenn Wilde, coordinator of the project. Wilde is associate dean of the college of humanities, arts, and social sciences at USU.

Montana State will establish the Project for Adult and Community Education to promote cooperative efforts for the other universities in academic training and research on the adult learner and lifelong education.

The project will utilize modern communications technologies to span the distances of western states and provide service currently unavailable in rural communities. Supporting technologies for delivery of information include computers, electronic blackboards, and closed-circuit television.

STAFF UPDATE

ACQUISITIONS BRANCH HEAD NAMED



V. Reich

Meet Victoria Reich, new head of the Acquisitions Branch. Vicky comes to NAL from the Library of Congress (LC) where she worked as a planning librarian in the Office of the Librarian for the past 4 years. In that position she was responsible for several special projects including the evaluation of LC's optical disc project, the redesign of statistical gathering and reporting procedures relating to size of collection, and implementing procedures for acquiring and servicing computer-readable materials.

Prior to her service with the Library of Congress, she held librarian positions at the University of Michigan and the Upjohn Company. She holds a B.S. degree in biology from Gaucher College and an M.L.S. from the University of Michigan.

In line with her new duties, Vicky expects to focus her immediate energies on a review of fiscal and selection procedures in the Acquisitions Branch.

Vicky lives in suburban Maryland with her husband and two children. In her spare time she enjoys sailing on the Chesapeake Bay.



G. Sophar

Gerald J. Sophar, who has served in various capacities at NAL since 1971, will retire April 30. Gerry was named Executive Officer of NAL in July 1971. In the 1978 reorganization he became Leader, Program Development. Most recently, while on loan to the National Commission on Libraries and Information Science, he was the Administrator of the Federal/Local Community Information Programs and has been appointed Senior Advisor to the Commission on Rural and Local Community Affairs.

A native of Brooklyn, New York, Gerry received a foreign service degree from Georgetown University, did graduate work in geopolitics and international law at the University of Hamburg, Germany, and attended the Information Science Advanced Study Institute in Crete, Greece. He served in Germany with the United Nations Relief and Rehabilitation Administration and with the U.S. Displaced Persons' Commission. He is currently on the adjunct faculty at the School of Library and Information Sciences, Catholic University of America.

Extremely active in professional societies, an author, and teacher, Gerry has received many high honors and awards. He was the first recipient of the Watson Davis Award from the American Society for Information Science and recently received a Special Achievement Award from USDA.

Gerry's first order of business upon retiring will be a trip to Iceland, Norway, and Finland. He also plans to remain actively involved in rural information programs.

SURPLUS PUBLICATIONS AVAILABLE

The following publications are surplus to the needs of the National Agricultural Library's collection. They will be made available to any interested organization that regularly sends free publications to NAL. This includes most Federal, land-grant, and agricultural research institutions in the U.S., as well as many foreign institutions. U.S. requests will get first priority. Listed titles can be requested up to 6 weeks following announcement.

If interested, please write to:
National Agricultural Library, USDA,
Attn: Gift and Exchange, Room 112,
Beltsville, MD 20705 (enclose a return
addressed label), or call Susan Fugate,
(301) 344-2904.

American Journal of Veterinary Research. V. 39, n. 2, 1978; V. 43, nos. 1-12, 1982.

American Wood-Preservers' Association. V. 49, 1953 - V. 63, 1967; V. 65, 1969; V. 67, 1971.

Journal of the American Veterinary Medical Association.

V. 106, 1945 - V. 145, 1964 (Bound)
V. 152, n. 9, 1968
V. 153, nos. 7, 11, 1968
V. 154, n. 11, 1969
V. 157, n. 5, 1970
V. 160, n. 3, 1972
V. 163, nos. 3, 10, 1973
V. 164, nos. 6-12, 1974
V. 165, 1974 - V. 181, 1982
V. 182-183, nos. 1-2, 4-8, 10-12, 1983
V. 184, n. 10, 1984
V. 185, nos. 1, 4, 8, 10-12, 1984
V. 186, nos. 5-6, 9, 11, 1985
V. 187, nos. 1, 3-5, 9-12, 1985
V. 188, nos. 1, 3, 1986.



SERIAL GAPS

As part of the National Agricultural Library's collection maintenance activities and through patron requests, gaps in the national collection are identified. Beginning with this issue, the Acquisitions Branch, Gift and Exchange Unit and the Lending Branch will cooperatively list volumes needed. We appreciate your donation of these items to complete our collection. If you have questions regarding the program, call Susan Fugate, Head, Gift and Exchange Program, (301) 344-2904.

Send items to:

National Agricultural Library
Gift and Exchange Program, Room 112G
Beltsville, MD 20705

American Journal of Physiology. V. 225, July-September 1973; V. 248, n. 1, pt. 2, 1985; V. 248, n. 5, 1985.

Biochemical Pharmacology. V. 25, nos. 5-6, 1976; V. 26, nos. 10-11, 14-16, 18-23, 1977

Bulletin of Brewing Science. V. 27, 1981/82.

Canadian Journal of Fisheries and Aquatic Sciences. V. 42, nos. 1, 3, 5-6, 1985.

Food Technology in Australia. V. 36, nos. 4, 6-8, 12, 1984.

Genetics (Austin). V. 77, May-August 1974.

Journal of the Australian Entomological Society. V. 24, n. 2, 1985.

Journal of Comparative Physiology. V. 82, n. 3, 1973.

Methods of Enzymology. V. 37 (B), 1975.

Molecular and General Genetics. V. 129, n. 4, 1974.

Nutrition News (Rosemont). V. 38, n. 2, 1975; V. 39, n. 2, 1976.

Potato Research. V. 18, n. 1, 1975.

Residue Reviews. V. 74, 1980; V. 84, 1982.



NEW PUBLICATIONS OF NOTE

*COSTS OF RETAIL BEEF-HANDLING: A MODELING APPROACH. Washington, D.C., U.S. Department of Agriculture, Economic Research Service. 1985. 55 p. (Technical Bulletin No. 1704). \$2.25. S/N 001-019-00404-5.

COUNTRY ORIENTATION NOTEBOOKS FOR AFRICA. Patricia S. Kuntz, Series Editor. 1986. Prepared for pre-departure orientation for consultants assigned to agricultural projects in Burkina Faso, Burundi, The Gambia, Liberia, Mali, Rwanda, Sierra Leone, and Zaire. Each country notebook is \$175. Order from: Center for African Studies, Orientation Notebooks, 470 Grinter Hall, University of Florida, Gainesville, FL 32611. Tel.: (904) 392-2183.

*EXPORT HANDBOOK FOR U.S. AGRICULTURAL PRODUCTS. Washington, D.C., U.S. Department of Agriculture, Office of Transportation. 1985. 154 p. (Agriculture Handbook No. 593). \$6.00. S/N 001-000-04440-1.

*FARMERS' USE OF CASH FORWARD CONTRACTS, FUTURES CONTACTS, AND COMMODITY OPTIONS. Washington, D.C., U.S. Department of Agriculture, Economic Research Service. 1985. 28 p. (Agricultural Economic Report No. 533). \$1.50. S/N 001-029-00386-3.

**GENETIC EVALUATION OF RAPID HEIGHT GROWTH IN POT- AND NURSERY-GROWN SCOTCH PINE. Broomall, PA, U.S. Department of Agriculture, Forest Service. 1985. 15 p. (Report No. FSRP-NE-554; NEFES/85-24). \$9.95. PB85-240158/XAB.

INFORMATION TECHNOLOGY RESEARCH AND DEVELOPMENT: CRITICAL TRENDS AND ISSUES. December 1985. Office of Technology Assessment, Congress of the United States, Washington, D.C. Examines computer architecture,

artificial intelligence, software engineering, and fiber optics. 360 p. \$82.50. Order from Pergamon Press, Fairview Park, Elmsford, NY 10523.

LAND-GRANT AGRICULTURAL PUBLICATIONS. Includes documents, bulletins, circulars, reports, and other land-grant publications from Purdue University, Iowa State University, and University of Missouri. On roll microfilm. Pre-publication prices. Order from: Spaulding Company, Inc., Graphic Microfilm Division, 80 Hawes Way, Stoughton, MA 02072. Tel.: (617) 828-8090.

THE PEA CROP. P.D. Hebblethwaite, M.C. Heath, and T.C.K. Dawkins. 1985. 486 p. \$135.00. Order from: Butterworth Publishers, 80 Montvale Ave., Stoneham, MA 02180. Tel.: (617) 438-8464.

*PESTICIDE USE ON SELECTED CROPS: AGGREGATED DATA, 1977-80. Washington, D.C., U.S. Department of Agriculture, Economic Research Service. 1985. 25 p. (Agriculture Information Bulletin 494). \$1.25. S/N 001-029-00397-9.

*PRODUCT DIVERSIFICATION TRENDS IN U.S. FOOD MANUFACTURING. Washington, D.C., U.S. Department of Agriculture, Economic Research Service. 1985. 45 p. \$2.25. S/N 001-029-00375-8.

**SODBUSTING: LAND USE CHANGE AND FARM PROGRAMS. Washington, D.C., U.S. Department of Agriculture, Economic Research Service. June 1985. 37 p. (Report No. USDA/AER-536). \$9.95 PB85-217982/XAB.

WOMEN, AGRICULTURE, AND RURAL DEVELOPMENT IN LATIN AMERICA. December 1985. 171 p. Order from Centro Internacional de Agricultura Tropical, Apartado Aereo 6713, Cali, Colombia.

*Order from Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 10402. Tel.: (202) 783-3238.

**Order from National Technical Information Service, Identification Section, 5285 Port Royal Road, Springfield, VA 22161. Tel.: (703) 487-4780. All titles listed are available in microfiche for \$5.95 each.



QUICK BIBLIOGRAPHIES

The bibliographies in this series are primarily computerized online or batch bibliographies emanating from searches performed by the NAL reference staff in response to customer requests. Searches are selected for inclusion based on the currency of the topic, interest among clientele, relative length and probable value to a larger audience. Revisions or updates will be renumbered and reannounced. Only one copy of a title will be sent; however, requesters may make copies. To request a copy of a Quick Bibliography send the title, series number, and a return addressed label to:

Reference Branches, Room 111
National Agricultural Library
Beltsville, MD 20705

NAL--Q.B.--86-37. SMALL FARMS AND FARMING IN THE U.S., 1983-85. 153 citations from AGRICOLA. English only. Searched by Jayne MacLean. March 1986.

NAL--Q.B.--86-38. TILAPIA CULTURE, 1970-84. 89 citations from AGRICOLA. English only. Searched by Lee Decker. March 1986.

NAL--Q.B.--86-39. CASSAVA (MANIHOT ESCULENTA), 1983-85. 248 citations from AGRICOLA. English only. Searched by Jayne MacLean. March 1986.

NAL--Q.B.--86-40. SALT TOLERANCE IN PLANTS, 1983-85. 137 citations from AGRICOLA. English only. Searched by Jayne MacLean. March 1986.

NAL--Q.B.--86-41. COMPOSTS AND COMPOSTING OF ORGANIC WASTES, 1979-85. 160 citations from AGRICOLA. English only. Searched by Jayne MacLean. March 1986.

NAL--Q.B.--86-42. QUINOA (CHENOPODIUM QUINOA), 1970-86. 43 citations from AGRICOLA. Languages none excluded. Searched by Jerry Rafats. March 1986.

NAL--Q.B.--86-43. CONSERVATION TILLAGE (INCLUDING MINIMUM AND NO TILLAGE), 1984-85. 294 citations from AGRICOLA. English only. Searched by Jayne MacLean. March 1986. Updates 85-18.

NAL--Q.B.--86-44. POTENTIAL NEW CROP: RAPESEED, 1970-85. 311 citations from AGRICOLA. Languages none excluded. Searched by Jerry Rafats. March 1986.

NAL--Q.B.--86-45. GUAR FOR INDUSTRY, FOOD & FEED, 1970-85. 255 citations from AGRICOLA. English only. Searched by Jerry Rafats. March 1986.

NAL--Q.B.--86-46. CRAYFISH FARMING, 1979-84. 43 citations from AGRICOLA. English only. Searched by Lee Decker. March 1986.

NAL--Q.B.--86-47. GROUNDWATER IRRIGATION, 1979-85. 295 citations from AGRICOLA. English only. Searched by Charles Bebee. March 1986.

NAL--Q.B.--86-48. SHELLFISH CULTURE, 1982-84. 237 citations from AGRICOLA. Languages none excluded. Searched by Deborah T. Hanfman. March 1986.

NAL--Q.B.--86-49. PARTHENOGENESIS: REPRODUCTION BY DEVELOPMENT OF UNFERTILIZED EGG, 1970-85. 254 citations from AGRICOLA. English only. Searched by Jerry Rafats. April 1986.

NAL--Q.B.--86-50. EARTHWORMS: RAISING, USES, BENEFICIAL ASPECTS, 1979-85. 232 citations from AGRICOLA. English only. Searched by Jerry Rafats. April 1986.

NAL--Q.B.--86-51. EXPERT SYSTEMS AND COMPUTER AIDS TO DECISION-MAKING, 1970-85. 118 citations from AGRICOLA. Languages non excluded. Searched by Karl Schneider. April 1986.

NAL--Q.B.--86-52. SHRIMP MARICULTURE, 1979-84. 51 citations from AGRICOLA. Languages none excluded. Searched by Deborah Hanfman. April 1986.

NAL--Q.B.--86-53. BIOTECHNOLOGY: SINGLE CELL PROTEIN. 312 citations from AGRICOLA. English only. Searched by Jean Bellows and Susan Whitmore. April 1986. 

SEARCHING AGRICULTURE'S PAST

The 1985 Journal of NAL Associates



"Searching Agriculture's Past" explores the joys of book collecting, research on the early uses of rhubarb, 17th and 18th century pest control practices, and stamp collecting with a horticultural message. Non-members can obtain a copy by completing the order form below.

TO ORDER

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Vol. 10, Nos. 1/4 - Jan.-Dec. 1985

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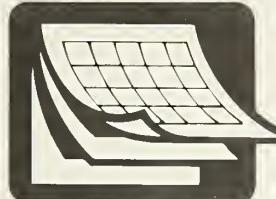
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AGRICULTURE DATEBOOK

June 5-6: 75TH ANNIVERSARY OF RESEARCH-BASED EDUCATION PROGRAMS CELEBRATION. Ithaca, NY. USDA Speaker: Assistant Secretary Orville G. Bentley. Contact: (202) 447-5923.

June 7-12: SPECIAL LIBRARIES ASSOCIATION 77TH ANNUAL CONFERENCE. Boston, MA, Sheraton Boston. Contact: SLA, 1700 Eighteenth St., NW, Washington, D.C. 20009. Tel.: (202) 234-4700.

June 9-12: AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS. Washington, D.C., Washington Convention Center. Contact: ASBC/BCD-ACS Joint Meeting, 9650 Rockville Pike, Room L203, Bethesda, MD 20814. Tel.: (301) 530-7010.

June 15-18: INSTITUTE OF FOOD TECHNOLOGISTS. Dallas, TX, Dallas Convention Center. USDA Exhibits: Human Nutrition Information Service and National Agricultural Library. Contact: Pamela Pierson, 221 N. LaSalle St., Chicago, IL 60601. Tel.: (312) 782-8424.

June 15-20. AMERICAN ASSOCIATION OF FEED MICROSCOPISTS 34TH ANNUAL MEETING AND SHORT COURSE. Sacramento, CA, Holiday Inn. Contact: Janet Windsor, 1118 Apple Dr., Mechanicsburg, PA 17055.

June 23-25: AMERICAN HOME ECONOMICS ASSOCIATION. Kansas City, MO, Kansas City Convention Center. USDA Exhibits: National Agricultural Library, Human Nutrition Information Service, and Food Safety & Inspection Service. Contact: AHEA, 210 Massachusetts Ave., NW, Washington, D.C. 20036. Tel.: (202) 862-8300 or (800) 424-8080.

June 24-26: NATIONAL POULTRY IMPROVEMENT PLANNING CONFERENCE. San Francisco, CA, Holiday Inn - Fisherman's Wharf. Contact: USDA, APHIS, Federal Building, Hyattsville, MD 20782.

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June 28-July 3: AMERICAN LIBRARY ASSOCIATION - 105TH ANNUAL CONFERENCE. New York, NY, Jacob K. Javits Convention Center. Contact: ALA, 50 East Huron St., Chicago, IL 60611. Tel.: (312) 944-6780.

June 29-July 2: AMERICAN AGRICULTURAL EDITORS ASSOCIATION SUMMER MEETING. Columbus, OH. Contact: Paul S. Weller, Agri/Washington, Tel.: (202) 745-1994.

July 6-9: SOCIETY FOR NUTRITION EDUCATION. Washington, D.C., Marriott Hotel. USDA Exhibits: National Agricultural Library, Human Nutrition Information Service, and Food Safety & Inspection Service. Contact: Society for Nutrition Education, 1735 Franklin St., Oakland, CA 94612. Tel.: (415) 444-7133.

July 9: NORTHEASTERN REGIONAL ADMINISTRATORS MEETING. Vermont. USDA Speaker: Assistant Secretary Orville G. Bentley. Contact: (202) 447-5923.

July 13-17: NATIONAL FEED INGREDIENTS ASSOCIATION. Rosemont (Chicago), IL, Hyatt O'Hare. USDA Speaker: Deputy Assistant Secretary Ewen M. Wilson. Contact: NFIA, One Corporate Place, Suite 375, West Des Moines, IA 50265.

July 21-23: AMERICAN VETERINARY MEDICAL ASSOCIATION - 123rd ANNUAL MEETING. Atlanta, GA, Georgia World Congress Center. Contact: AVMA, 930 North Meacham Road, Schaumburg, IL 60196-1074. Tel.: (312) 885-8070.

July 25-28: SOYBEAN EXPO '86. Cincinnati, OH, Cincinnati Convention-Exposition Center. Contact: American Soybean Association, 777 Craig Road, P. O. Box 27300, St. Louis, MO 63141-1700. Tel.: (314) 432-1600. 

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